DERWENT-ACC-NO: 1981-F0015D

DERWENT-WEEK: 198122

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TITLE: **Thermoelectric** system thermostat - has **hot and cold** joint temp. **sensors of thermoelectric** actuator connected to relay via contact **ambient** temp. **sensor**

INVENTOR: OCHKOVSKII, I I

PATENT-ASSIGNEE: OSIPOV E V[OSIPI]

PRIORITY-DATA: 1974SU-2088910 (December 26, 1974)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
SU 682884 B	August 30, 1979	N/A	000	N/A

INT-CL (IPC): G05D023/30

ABSTRACTED-PUB-NO: SU 682884B

BASIC-ABSTRACT:

The thermostat is for use in refrigeration in e.g. thermostating circuits and panels of electronic appts. and improves on the Parent Cert. No. 560214 by offering greater application range, using join and contact temp. sensors.

In operation, a relay is actuated and acts on a control unit which in turn increases the current flowing through a thermo- electric actuating element. Up until this current reaches its set change rate and thus the element cold coupling temp. a differentiator switches-on another relay, which blocks the control unit and switches a temp. sensor to a memory.

On reaching the required temp. of the cold junction, the

differentiating element de-energises the second relay which in turn disconnects the temp. sensor from the memory. The control unit no longer changes the thermo-electric element supply current and a potential corresp. to the temp. is entered in the memory element. Change of ambient, temp. changes the cold junction temp. as a result of its extreme dependence on the current supply.
Bul.32/30.8.79

TITLE-TERMS: THERMOELECTRIC SYSTEM THERMOSTAT HOT COLD JOINT TEMPERATURE SENSE THERMOELECTRIC ACTUATE CONNECT RELAY CONTACT AMBIENT TEMPERATURE SENSE

DERWENT-CLASS: T06 X27

EPI-CODES: T06-B13B2; X27-F;